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C Task Manual Task Start-only Deadline ➾ Project Summary Project: Draft 2016 RI Schedule Duration-only Split Inactive Task Progress Date: Thu 9/8/16 Milestone Inactive Milestone Manual Summary Rollup External Tasks Manual Progress 1 Inactive Summary Manual Summary External Milestone Summary

# Proposed NBSA RI/FS Schedule

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#### 5 Preparation of Tierra's Proposal

April 4 start date corresponds to finalization of SQT sediment data needed for evaluations.

# 21 Phase III Sampling

Duration is estimated and dependent on Phase III Scope Agreement.

#### 29 Phase III Analysis

Based on estimated duration of sampling and 30-day TAT for data packages. 30-day TAT is consistent with previously approved QAPPs.

#### 30 Phase III Data Validation

Based on estimated duration of analysis and 40-day TAT for data validation. 40-day TAT is consistent with previously approved QAPPs.

#### 100 Draft BERA Report Prep

The risk assessment will start once all validated analytical data are available.

# 124 Sediment: Tables 2, 3, 5 & 6

The risk assessment will start once all validated analytical data are available.

#### 145 CSO Recon - Office Work

Duration dependent on scope in CSO Recon Work Plan

# 147 CSO Recon Field Survey

Per USEPA directive to start in Spring 2017

Duration dependent on CSO Recon Work Plan

#### 154 Agreement on Passaic River CSO Phase II Sampling Methodology

Assumed date of agreement for Passaic River Phase II sampling methodology

# 168 Field Work/CSO Sampling

Duration of field work subject to approved Work Plan and occurrence of the Work Plan-required storm events.

# 176 Analysis of CSO Samples

The start date is 10 calendar days following the start of field work (assuming the first storm event would happen within 10 days of mobilization). The finish date is 30 calendar days following the end of field work. 30-day analysis TAT is consistent with previously approved QAPPs.

#### 177 Data Validation of CSO Results

The start date is 30 calendar days following the start of analysis, allowing for a 30-day analysis TAT. The finish date is 40 calendar days following the end of analysis. 40-day data validation TAT is consistent with previously approved QAPPs.

#### 187 Modeling

Durations are estimated and subject to condition, operability, and performance of CPG-provided models. If the estimated model delivery dates change, the schedule will need to be modified/adjusted.

# 188 Hydrodynamic and Sediment Transport Modeling

Per USEPA direction, schedule assumes delivery of model by January 9, 2017.

#### 189 Delivery of CPG Models - Hydrodynamic and Sediment Transport (H&ST)

Assumptions:

- Delivery of model by January 9, 2017
- Model will be provided with a report prepared by the developers on the development and performance of the model, including calibration and verification (skill testing), and instructions on the use of the model.
- Setup and output files will be provided electronically for all runs cited/discussed in the reports
- Model will not use any proprietary software, user-interfaces, I/O systems, etc.
- If the estimated model delivery date changes, the schedule will need to be modified/adjusted.

#### 190 Review associated H&ST modeling reports and electronic files

Assumed duration includes contracting (RFP/bid/award), acquisition of hardware, etc. Due to demonstrated uncertainty in delivery of the model, these activities cannot be initiated in advance.

#### 194 Run H&ST models

Duration is dependent on scenario run-times, which are presently unknown.

# 201 Contaminant Fate and Transport Modeling

Per USEPA direction, schedule assumes delivery of model by December 4, 2017.

#### 202 Delivery of CPG Model - Contaminant Fate and Transport (CF&T)

Assumptions:

- Delivery of model by December 4, 2017
- Model will be provided with a report prepared by the developers on the development and performance of the model, including calibration and verification (skill testing), and instructions on the use of the model.
- Setup and output files will be provided electronically for all runs cited/discussed in the reports
- Model will not use any proprietary software, user-interfaces, I/O systems, etc.

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- If the estimated model delivery date changes, the schedule will need to be modified/adjusted.

# 203 Review associated CF&T modeling report and electronic files

Assumed duration includes contracting (RFP/bid/award), acquisition of hardware, etc. Due to uncertainty in delivery of the model, these activities cannot be initiated in advance.

#### 207 Run CF&T model

Duration is dependent on scenario run-times, which are presently unknown.

#### 215 Bioaccumulation Modeling

Per USEPA direction, schedule assumes delivery of model by July 2, 2018.

#### 216 Delivery of CPG Model - Bioaccumulation (Bio)

Assumptions:

- Delivery of model by July 2, 2018
- Model will be provided with a report prepared by the developers on the development and performance of the model, including calibration and verification (skill testing), and instructions on the use of the model.
- Setup and output files will be provided electronically for all runs cited/discussed in the reports
- Model will not use any proprietary software, user-interfaces, I/O systems, etc.
- If the estimated model delivery date changes, the schedule will need to be modified/adjusted.

# 217 Review associated Bio modeling report and electronic files

Assumed duration includes contracting (RFP/bid/award), acquisition of hardware, etc. Due to demonstrated uncertainty in delivery of the model, these activities cannot be initiated in advance.

#### 228 Conceptual Site Model (CSM) Update

Per USEPA direction, the CSM will include any associated Phase III data evaluations in place of a Phase III Data Report.

# 236 Draft RI Report Prep

RI report preparation will start once the CSM Update is approved. The RI report cannot be completed until the BERA, BHHRA, CSO and modeling reports are submitted to USEPA.

# 238 Preparation of Draft RI Chapter 2 - Investigations (excluding CSO)

The results of the CSO program will need to be incorporated into the summary of investigations at a later date.

# 239 Preparation of Draft RI Chapter 3 - Physical Characteristics (excluding CSO)

The results of the CSO program will need to be incorporated into the sources of contaminants at a later date.

#### 240 Preparation of Draft RI Chapter 4 - Chemical Characteristics (excluding CSO)

The results of the CSO program will need to be incorporated into the chemical characteristics at a later date.

#### 246 Preparation of Draft RI Chapter 7 - CSM

This will incorporate the results of the risk assessments, CSO program and modeling into the previous CSM update.

#### 279 FS Work Plan (WP) Preparation

The Feasibility Study (FS) Work Plan is due 90 days from approval of the final phase RI Work Plan.

# 286 Feasibility Study

The FS will start when the RI is approximately 50% complete so that the screening technology is not out-of-date.